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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 11:25:23 ; Search time 2343.59 Seconds
(without alignment)
11811.747 Million cell updates/sec

Title: US-09-807-933B-4
Perfect score: 1101
Sequence: 1 atgaggtcttactattac.....caggtgtcacaagaataa 1101

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 24791104 seqs, 12571243825 residues

Total number of hits satisfying chosen parameters: 49582208

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:

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Result				SUMMARIES				Description	
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1	448	40.7	652	38	US-10-020-338-22238			Sequence 22238, A	
2	378.2	34.4	540	38	US-10-020-338-22290			Sequence 22290, A	
3	194.2	17.6	1473	29	US-09-735-787-3			Sequence 3, Appl1	
4	194.2	17.6	1473	40	US-10-138-870-3			Sequence 3, Appl1	
5	181.2	16.5	1423	10	US-08-651-1364-9			Sequence 9, Appl1	
6	181.2	16.5	1423	38	US-10-007-521-9			Sequence 9, Appl1	
7	178	16.2	927	10	US-08-651-1364-5			Sequence 5, Appl1	
8	178	16.2	927	38	US-10-007-521-5			Sequence 5, Appl1	
9	177.8	16.1	960	10	US-08-651-1364-1			Sequence 1, Appl1	
10	177.8	16.1	960	38	US-10-007-521-1			Sequence 1, Appl1	
11	177.8	16.1	1132	10	US-08-651-1364-21			Sequence 21, Appl1	
12	177.8	16.1	1132	38	US-10-007-521-21			Sequence 21, Appl1	
13	176.8	16.1	894	10	US-08-651-1364-3			Sequence 3, Appl1	
14	176.8	16.1	894	38	US-10-007-521-3			Sequence 3, Appl1	
15	166	15.1	1154	10	US-08-651-1364-7			Sequence 7, Appl1	
16	166	15.1	1154	38	US-10-007-521-7			Sequence 7, Appl1	
17	163.8	14.9	913	10	US-08-651-1364-13			Sequence 13, Appl1	
18	163.8	14.9	913	38	US-10-007-521-13			Sequence 13, Appl1	
19	162	14.7	885	10	US-08-651-1364-23			Sequence 23, Appl1	
20	162	14.7	885	38	US-10-007-521-23			Sequence 23, Appl1	
21	158.8	14.4	1174	10	US-08-651-1364-11			Sequence 11, Appl1	

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

[illegible]

ALIGNMENTS

RESULT 1
US-10-020-338-22238

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Sequence 22238, Application US/1002238
GENERAL INFORMATION/
APPLICANT: Andersen, Scott E.
APPLICANT: Hammond-Kosack, Kim
APPLICANT: Urban, Martin
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21 (52272) B
CURRENT APPLICATION NUMBER: US/10/020,338
CURRENT FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: US 60/255,575
PRIOR FILING DATE: 2000-12-14
NUMBER OF SEQ ID NOS: 25642
SEQ ID NO 22238
LENGTH: 652
TYPE: DNA
ORGANISM: Triticum aestivum
FEATURE:
OTHER INFORMATION: Clone ID: LIB4072-001-Q1-K6-B4
US-10-020-338-22238

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Query Match	Score	DB	Length
40.7%	448	652	
Best Local Similarity	86.6%	Pred. No. 2.8e-124	
Matches	506	Conservative	0
		Mismatches	75
		Indels	3
		Gaps	1

Query	Score	DB	Length
209	448	652	
72	86.6%	Pred. No. 2.8e-124	
269	506	Conservative	0
132	506	Mismatches	75
329	506	Indels	3
192	506	Gaps	1
389	506		
252	506		
449	506		

Db 309 ACTCGTGTCTCTGAGTGAAGCTCTTGTAAGTGTCCACCACTCAAAATTGGATGTCT 368

QY 509 GTAAAGCCTCTCTGTAGTGGCCCGGTAAAGCCCAATGTCACTTCTCTGTCAAGTCTCTGA 568

Db 369 GTAAAGCCTCTCTGTAGTGGCCCGGACGGGCCAAAGTCAAGTTCTCTGTCAAGTCTCTGA 428

QY 569 ACAAAAGATGTGTCACTGCGCTTAAAGTGAACAGCAATGCCAAAGTGGCTTTAAACGGTGTGA 628

Db 429 GGAAAGATGTGTCTCTGTCTTAAAGTGAACAGCAATGTCTTAAAGTGTGTGAACGGTGTGA 488

QY 629 ACAGTTACATGTGTAAACACAAACAGCGCTTGGCGCTGTAAACGATTAATCTTGCTCTATGTGT 688

Db 489 AAGGTTAACTGTGTAAACACAAACCAACTTGGCGCTGTAAATGAACAATCTGCTACAGGTT 548

QY 689 TGGCTGCTGCTGCCATCAGTGTGTGTGTGAATGTGGCTGGTCTGTCTTGTGTTCGAAAC 748

Db 549 TCGCTGCTGCTGTCAATGGGTGTGTGTGTGAATCTCCCTGTGTCTGTCTTGTGTGAAC 608

QY 749 TTACTTTCACCTCTACCTCTGTGTGTGTGAAGAAGATGTTATC 792

Db 609 TTACTTTCACCTCTACCGGTGTGTGTGTGAAGAAGATGTTATC 652

2

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1 Sequence 22290, Application US/10020338
2
3 GENERAL INFORMATION:
4
5 APPLICANT: Andersen, Scott E.
6 APPLICANT: Hammond, Kocak, Kim
7 APPLICANT: Urban, Martin
8
9 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
10
11 TITLE OF INVENTION: Plants
12
13 FILE REFERENCE: 38-21 (52/72) B
14
15 CURRENT APPLICATION NUMBER: US/10/020.338
16
17 CURRENT FILING DATE: 2001-12-12
18
19 PRIOR APPLICATION NUMBER: US 60/255,575
20
21 PRIOR FILING DATE: 2000-12-14
22
23 NUMBER OF SEQ. ID NOS: 25642
24
25 SEQ. ID NO 22290
26
27 LENGTH: 540
28
29 TYPE: DNA
30
31 ORGANISM: Triticum aestivum
32
33 FEATURE:
34
35 OTHER INFORMATION: Clone ID: L184072-001-Q1-N6-E4
36
37 US-10-020-338-22290

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Query Match	34.4%	Score 378.2	DB 38	Length 540
Best Local Similarity	89.1%	Pred. No. 3,7e-103		
Matches 423	Conservative 0	Mismatches 43	Indels 9	Gaps 1
Qy	627	TAACAGTTACATGATGTAAACGACAAACAGCCTTGAGCTGTAAACGATAAATCTTGCCATAGG	686	
Db	540	TAAACGTTAAATGTGTAAACGACAAACCAACCTTGAGCTGTAAAGAACAAATCTTGCCATAGG	481	
Qy	687	TTTCGCTGCTGTGCGCATCATGCTGGTGGTGGTGAATCTCGCTGGGCTGTCTTGTATCGA	746	
Db	480	TTTCGCTGCTGTGTCATGAGGTGGTGAAGATGAATCTTCGCTTGTCTTGTATCGA	421	
Qy	747	ACTTACTTTCACATTTACCTCTGTGTGCTGTAAAGAAAGATGATATCCAACTCATTAAC	806	
Db	420	ACTTACTTTCACATTTACCGCGTGTGGCTGGTGAAGAAAGATGATGTCMAATCACTAAC	361	
Qy	807	TGCTGTGTAACTGTGCTCCTCTACTGATGCTCACTTTGACCTTGAATGCGCGGTGTG	866	
Db	360	TGCTGTATTATCTGAGGCC-----AAACACCTTGTATTGTAATGCGCGGTGTG	310	
Qy	867	TGTTGGTATTTTCAATNGTGTGCTCCAAAGCATNGGGGTGCTCCCAATGAGCTTGGGGCTC	926	
Db	309	TGTTGTATTATTTCAAGGTGTGACCAACCAATGGGGTCTCCCAAGCGGTGGGGCAA	250	
Qy	927	GAGATACGGGTGATATTTCTTGCACTGACTGCTTAAGTCTTCTCCGCACTTCCAGC	986	

Db	249	GAGATACGCGTGTATTCTTCGCATCGGAGTGCGCCTACTCTCCGCCCACTCCAAAC	198
Oy	967	TGGTTGTAATGGAATTCACATGTTTCAGAAGACGTGTATAACCAAGCATGACTTACA	104
Db	189	TGGTTGTATGGAATTCACATGTTTCAGAAGACGTGTATAACCAAGCATGACTTACA	130
Oy	1047	GGAAGTCACTGTCGCCAAGAAATCACCGCCGAAGACAGTTGTTCAAGAAAATAA	1101
Db	129	GGAGTTTACTGTCTCTTAGAANAATCACCGCCGAAGACAGTTGTGTAGAAAATAA	75

RESULT 3
US-09-735-787-3

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Sequence 3, Application US/09735787
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Mikkelsen, Jan Moller
Schulein, Martin
Patkar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Novo Nordisk of North America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambitis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469.214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-735-787-3
Query Match 17.6%; Score 194.2; DB 29; Length 1473;
Best Local Similarity 59.5%; Pred. No. 3,4e-47;
Matches 372; Conservative 0; Mismatches 238; Indels 15; Gaps 2
464 GTGGTCCCTCTGTAACGCTGTCACACTACCTTATTGGGATTGCTGAAGCCTCCTGTA

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Db	143	GTGCTGCTTTCGGAAGGGGTCACTCTACTGATAC	CTGGGAATTTGCTGCAAGCTTCTTGCT	202
Qy	524	CTGTGCCCCGGTAAGGCCAATATCAGTCTCTCTG	CAAGTCTCTGTATTAACAAAGATATGTGTCA	583
Db	203	CTTGAGGGGGAAGAGCTGTCTCAACGCCCTTG	CTTTAACTTGTGATTAAGAACACAAC	262
Qy	584	CTGGCCCTTAGTAGACAGCAATGTCCAAAGTGG	CTGTAAACGGTGTATTAACAGTTATATGTGA	643
Db	263	CCATTTTCCACACCAATATGTCTCAACGGTTT	GTGAGGGTGTGTCTTGCTTTATGTCTTGCA	322
Qy	644	ACGACAAACCAAGCTTTGGCTGTGTAAACGTA	ATATCTTATGTGTTTCTGCTCTGTGCA	703
Db	323	CCAACTACTCTCCCTGGGCTGTCAACAGTAGCT	TTGGCTTAAGTTTGGCTGTACCAAGA	382
Qy	704	TCAGTGTGTGTGTGAATCTCGCTGTGTCTTCT	TTGTTGAACTTACTTCACTTCTTA	763
Db	383	TCTCCGGGTGCTCCGAGGCCAGCTGTGTGTGT	CTGTATGTCTTGAACCTTTCACACTG	442
Qy	764	CCTCTGTTGCTGTGAAGATATGTATATCCAA	GCATTAACACTGTGTGTATCTTGCT	823
Db	443	GCCCCGTCAAGGGCAAGATATGTCTCCAGTCC	ACCAACACTGTGAAGTATCTCGGC	501
Qy	824	CCTCTACTGTGTCTCATCTTTACTTGTGCAAT	ATGCCGGTGTGTGTGTTGTTTCAATG	883
Db	502	-----GACAAACCATTTGCATCTCATGATAT	CCCGGGGTGTGTGTATCTTTCAGAC	553
Qy	884	GTTGCTCCCAACCAATGGGGTCTCTCCCAATGA	CGGTTGGGGCTGTGAGATACGATGTATTT	943
Db	554	GCTGACCTCTGAGTGTGG-----CAAGCTCT	CGGGGATGCCAATACCGGGATCT	607
Qy	944	CTTCTGCATCTGACTGTCTTACTGTCTTCTCT	TCGCCACTTCAAGCTGTGTGTAATGTGAAT	1003
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Qy	1004	TCAACTGGTTCAAGAACGCTGATTAACCAACGA	TGACTTACAGAAGATTACTGTGCCA	1063
Db	668	TCGACTGTTTGAAGAACCCGCAACCTTGACTT	CACTTGTAGACAGGTTCAAGTCCCA	727
Qy	1064	AGGAATTCACCGCCAAAGACAGTTG	1088	
Db	728	AGGCTCTCTCGACATCATGTGATG	752	
<p>RESULT 4 US-10-138-870-3 ; Sequence 3, Application US/10138870 ; GENERAL INFORMATION: ; APPLICANT: Rasmussen, Grethe ; Mikkelson, Jan Moller ; Schuelein, Martin ; Patkar, Shankant A. ; Hagen, Fred ; TITLE OF INVENTION: A Cellulase Preparation Comprising an ; NUMBER OF SEQUENCES: 33 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: Novo Nordisk of North America, Inc. ; STREET: 405 Lexington Avenue, 64th Floor ; CITY: New York ; STATE: New York ; COUNTRY: United States of America ; ZIP: 10174-6401 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Floppy disk ; OPERATING SYSTEM: PC-DOS/MS-DOS ; SOFTWARE: Patentin Release #1.0, Version #1.30 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/10/138,870 ; FILING DATE: 03-May-2002 ; CLASSIFICATION: <unknown> ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: US/09/735,787</p>				

DB	728 AGGCTCTCCTCGACATCAAGTGTGATG 752
RESULT 5	US-08-651-136A-9
Sequence 9, Application US/08651136A	
GENERAL INFORMATION:	
APPLICANT: Schulten, Martin	
APPLICANT: Andersen, Lene N.	
APPLICANT: Lassen, Soren F.	
APPLICANT: Kaupinen, Markus S.	
APPLICANT: Lange, Lene	
APPLICANT: Nielsen, Ruby I.	
APPLICANT: Ihara, Michiko	
APPLICANT: Takagi, Shinobu	
TITLE OF INVENTION: Novel Endoglucanases	
NUMBER OF SEQUENCES: 101	
CORRESPONDENCE ADDRESS:	
ADDRESSEE: Novo Nordisk of North America, Inc.	
STREET: 405 Lexington Avenue, 64th Floor	
CITY: New York	
STATE: New York	
COUNTRY: United States of America	
ZIP: 10174-6401	
COMPUTER READABLE FORM:	
MEDIUM TYPE: Floppy disk	
COMPUTER: IBM PC compatible	
OPERATING SYSTEM: PC-DOS/MS-DOS	
SOFTWARE: Patent Release #1.0, Version #1.30	
CURRENT APPLICATION DATA:	
APPLICATION NUMBER: US/08/651,136A	
FILING DATE: 21-MAY-1996	
CLASSIFICATION: 435	
ATTORNEY/AGENT INFORMATION:	
NAME: Lambiris, Elias J.	
REGISTRATION NUMBER: 33,728	
REFERENCE/DOCKET NUMBER: 4366,200-US	
TELECOMMUNICATION INFORMATION:	
TELEPHONE: 212-867-0123	
TELEFAX: 212-878-9655	
INFORMATION FOR SEQ ID NO: 9:	
SEQUENCE CHARACTERISTICS:	
LENGTH: 1423 base pairs	
TYPE: nucleic acid	
STRANDEDNESS: single	
TOPOLOGY: linear	
MOLECULE TYPE: cDNA	
FEATURE:	
NAME/KEY: CDS	
LOCATION: 110..1156	
US-08-651-136A-9	
Query Match	16.5%; Score 181.2; DB 10; Length 1423;
Best Local Similarity	59.5%; Pred. No.2,9e-43;
Matches 369; Conservative	0; Mismatches 233; Indels 18; Gaps 3
DB	469 GCCTCTGTGTAACGGTGTCACTCTCTGTTATTTGGATTGGTGTAAAGGCTCTGTAGCTGG 528
DB	170 GCTTCGGGCAAAAGGCGCACACACCCGCTACTGAGATTGCTGCAAGACTTCTTGCGCATGG 229
DB	529 CCGGTAAAGGCATGTCACTTCTCTGTCAAGTCTCTGTAAACAAAGATGATGTCACTGCC 588
DB	230 GAGGCAAGGAGATCCGTCTCGAGCCGTGCTGACCTGTAAACAAGA--GGAACAACCC 286
DB	589 CTTAGTGAACAGCAATGTGCCAAAGTGGCTGTAAACGGTGTAAACAGTTACATGTGTAAAGAC 648
DB	287 ATTCGCGATGCAACGCGCAGAAAGGGGCTGGGACGCGCGGGGACATTGGCTGTACCAAC 346
DB	649 AACGAGCTTGGGGCTGTAAACGATTAATCTTGCTTAATGTTGGCTGCTGCCATTAAT 708
DB	347 AATTCCTCCCTGGGCTGTAGGAGGAGGACCTGAGCTTAAGGATTTGGCTGCAACAGCCCTAGC 406

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Qy 709 GGTGTTGATGTAATCTCGCTGAGTCTGTTCTGTTTCAACTTCACTTCACTTCT 768
Db 407 GGCGGCACTGAGGACACTGGTGTGCGCGGTTCACGCATCATTCACAGATGGCCCT 466
Qy 769 GTTGCTGTGAAGAATGTTATTCGAATCACTAAGTGTGTGATCTTGCTCTCT 828
Db 467 GTTGCTGTGAAGAATGTTATTCGAATCACTAAGTGTGTGATCTTGCTCTCT 523
Qy 829 ACTGCTGTCACTTGAATGCAATGCGCGGTGTGTTGTTGTTTCAATGTTG 888
Db 524 -----AACCACTTGAATGATGATTCGCGGTGAGGCTCGGATCTTGAAGCTTGC 577
Qy 889 TCCAGCAATGAGGTGCTCCCAATGACGTTGGGCTCGAGATACGTTGATTTCTCT 948
Db 578 TCGGCTCAGTTCCGACAACTTCTTCCC-----GGCAGGCTTACGAGAGTTTCGTC 631
Qy 949 GCATCTGACTGCTTACTTCTTCTTCCGACTCCAGCTGTTGTAATGAGATTCAAC 1008
Db 632 CGCTCTCAATGCGATGCGATGCCAGCTCTTGAAGACGTTGCCAGTGGCGCTTGCAC 691
Qy 1009 TGGTTCAAGAACGCTGATTAACCAAGCATGACTTACAAGAGTTACCTGCCCCAAGGA 1068
Db 692 TGGTTCAAGAACCTAGAACACCTGACATCGAGTTCCAGCAGTTCAGTGTCCCAAGAG 751
Qy 1069 ATCACCGCCAAAGACAGGTTG 1088
Db 752 CTGATTCGGTCTCTGGGTG 771

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RESULT 6
US-10-007-521-9
Sequence 9, Application US/10007521

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Lassen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Melsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: Novel Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSEE: Novo Nordisk of North America, Inc.

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiric, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 1423 base pairs

TYPE: nucleic acid

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STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 110..1156
SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-10-007-521-9

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Query Match      16.5%; Score 181.2; DB 38; Length 1423;
Best Local Similarity 59.5%; Pred. No. 2.9e-43;
Matches 369; Conservative 0; Mismatches 233; Indels 18; Gaps 3;

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Qy 469 GCCTCTGTAAAGGATGCTACTGTTATTTGGATTGCTGAAGCCTCCTGAGCTG 528
Db 170 GCTTCGGGCAAGGACCAACACCCGCTACTGGATTCGTCGAAGACTTCTGGCATGG 229
Qy 529 CCCGTAAGGCAATGTCACTTCTCTGTCAAGTCTGTAAACAAAGATGTCACAGCC 588
Db 230 GAGGCAAGGATCCGTCCTCGAGCTGTCTGACTGTAAACAGCA---GGAACACCC 286
Qy 589 CTTAGTACACGATGTCACAAAGTGTGTAAAGTGTGTAAAGTGTGTAAAGTGTGTAA 648
Db 287 ATGCTGATGCCAAGCCAGAAAGGCTGTGCAAGCGGCGGCGGCAATTTGCTGTACCAAC 346
Qy 649 AACAGCCTTGGGCTGTAAAGATATCTTGCCTATGATGTTGCTGCTGCTGCTGCTGCT 708
Db 347 AATTCCTCTTGGGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 406
Qy 709 GGTGTTGATGTAATCTCGCTGAGTCTGTTCTGTTTGAACCTTCACTTCACTTCT 768
Db 407 GGCGGCACTGAGGACACTGAGTGTGCTGCGCGGTTCACGCATCATTCACAGATGGCCCT 466
Qy 769 GTTGCTGTGAAGAATGTTATTCGAATCACTAAGTGTGTGTGTGTGTGTGTGTGTGT 828
Db 467 GTTGCTGTGAAGAATGTTATTCGAATCACTAAGTGTGTGTGTGTGTGTGTGTGTGT 523
Qy 829 ACTGCTGTCACTTGAATGCAATGCGCGGTGTGTTGTTGTTTCAATGTTGTC 888
Db 524 -----AACCACTTGAATGATGATTCGCGGTGAGGCTCGGATCTTGAAGCTTGC 577
Qy 889 TCCAGCAATGAGGTGCTCCCAATGACGTTGGGCTCGAGATACGTTGATTTCTCTCT 948
Db 578 TCGGCTCAGTTCCGACAACTTCTTCCC-----GGCAGGCTTACGAGAGTTTCGTC 631
Qy 949 GCATCTGACTGCTTACTTCTTCTTCCGACTCCAGCTGTTGTAATGAGATTCAAC 1008
Db 632 CGCTCTCAATGCGATGCGATGCCAGCTCTTGAAGACGTTGCCAGTGGCGCTTGCAC 691
Qy 1009 TGGTTCAAGAACGCTGATTAACCAAGCATGACTTACAAGAGTTACCTGCCCCAAGGA 1068
Db 692 TGGTTCAAGAACCTAGAACACCTGACATCGAGTTCCAGCAGTTCAGTGTCCCAAGAG 751
Qy 1069 ATCACCGCCAAAGACAGGTTG 1088
Db 752 CTGATTCGGTCTCTGGGTG 771

```

RESULT 7
US-08-651-136A-5
Sequence 5, Application US/08651136A

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

APPLICANT: Lassen, Soren F.

APPLICANT: Kauppinen, Markus S.

APPLICANT: Lange, Lene

APPLICANT: Nielsen, Ruby I.

APPLICANT: Ihara, Michiko

APPLICANT: Takagi, Shinobu

TITLE OF INVENTION: Novel Endoglucanases

NUMBER OF SEQUENCES: 101

CORRESPONDENCE ADDRESS:

ADDRESS: Novo Nordisk of North America, Inc.
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136A
 FILING DATE: 21-MAY-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambdlis, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366,200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 927 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..924
 US-08-651-136A-5

Query Match 16.2%; Score 178; DB 10; Length 927;
 Best Local Similarity 58.7%; Pred. No. 2,2e-42;
 Matches 370; Conservative 0; Mismatches 245; Indels 15; Gaps 3;

QY 471 CTCTGTACAGGTCATCTACTGTTATTTGGATTCTGTAGGCTCTGTAGCTGCC 530
 DB 60 CTGGGATCGGCAGACAGCCGGTACTGGACTGTGACCAAGACCAACCCGCTCAA 119
 QY 531 CGGTAAAGCCATGTCACTTCTCTGTCAAGTCTGTAAAGATGTGTCTACTGCTT 590
 DB 120 CGGCAAGGCCCC--CTGTCTCCGGTGACAGGCTCGCAAGAACGACCAACCCGCTCAA 176
 QY 591 TAGTACAGCAATGTCCAAAGTGTGTAGAGTGTAGACAGT--TACATGTGTACGA 647
 DB 177 CGACGGCGCTCCACCCCGTCCGGCTCGACGCGGCGGACGCGCTCATGTCTCTTC 236
 QY 648 CAACCAAGCTTGGGCTGTAAACGATATCTTGCTATGTTCCTGCTGCTGCATCAG 707
 DB 237 CCAAGAGCCCTGGGCGGTGACCGACGAGCTGTGTAGGCTGAGGCGGCAAGCTGCG 296
 QY 708 TGTGTGTGTGAATCTCGCTGTGTCTGTCTGTGTGTGTGTGTGTGTGTGTGTGT 767
 DB 297 CGGACAGCTCCAGAGT 356
 QY 768 TGTGTGTGTGAAGAGTGTATCCAAAGTCACTAAGTGTGTGTGTGTGTGTGTGTGT 827
 DB 357 GGTCCGGGCAAGAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 411
 QY 828 TACTGTGTCTACTTGTGCAATGTCCGATGTGTGTGTGTGTGTGTGTGTGTGTGT 887
 DB 412 ---GACACACCTTGTACCTGTGACATCCCGGTGTGTGTGTGTGTGTGTGTGTGTGT 467
 QY 888 CTCGAAGCAATGGGCTGTCCCAATGACGTTGGGCTGTGAGATACGCTGTGTGTGTGT 947
 DB 468 CACGACCAAGTACGCGCTGTCCCGCAAGGCTGGGCGACCGCTACGCGGCAATTC 527
 QY 948 TGTATCTACTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1007
 DB 528 CAGAGAGAGTGTGAATCTTCTCCGAGGCTCTCAAGCCGCTCAACTGCGCTTCTG 587

QY 1008 CTGTTCAGAAAGCGCTGTATACCCAGACATGACTTACAGAGATGTTACTGTCCAGGA 1067
 DB 588 CTGTTCAGAAAGCGCTGTATACCCAGACATGACTTCTTCAAGAGTGTGCTTCCGTCGA 647
 QY 1068 AATCACCAGCAAGAGGTGTTCAGAGAA 1097
 DB 648 GCTCAGTTCAGAGCGCTGCTCCGTA 677

RESULT 8
 US-10-007-521-5
 Sequence 5, Application US/10007521
 GENERAL INFORMATION:
 APPLICANT: Schuelein, Martin
 Andersen, Lene N.
 Laessen, Soren F.
 Kauppinen, Markus S.
 Lange, Lene
 Nielsen, Rudy I.
 Ihara, Michiko
 Takagi, Shinobu
 TITLE OF INVENTION: Novel Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESS: Novo Nordisk of North America, Inc.
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/007,521
 FILING DATE: 10-Dec-2001
 CLASSIFICATION: <unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136
 FILING DATE: 21-MAY-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambdlis, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366,200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 927 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..924
 US-10-007-521-5

Query Match 16.2%; Score 178; DB 38; Length 927;
 Best Local Similarity 58.7%; Pred. No. 2,2e-42;
 Matches 370; Conservative 0; Mismatches 245; Indels 15; Gaps 3;

QY 471 CTCTGTACAGGTCATCTACTGTTATTTGGATTCTGTAGGCTCTGTAGCTGCC 530
 DB 60 CTGGGATCGGCAGACAGCCGGTACTGGACTGTGACCAAGACCAACCCGCTCAA 119
 QY 531 CGGTAAAGCCATGTCACTTCTCTGTCAAGTCTGTAAAGATGTGTCTACTGCTT 590


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Db 120 CCGGAGAGGCCCC--CTGCTCTCCGCTGACAGCCCTGCGACAAAGAACCAACCCGCTCAA 176
Qy 591 TAGTGACAGCAATGTCCTCAAGTGGCTGTAAAGGTGTAAAGCT---TACATGTGTAAAG 647
Db 177 CGAGCGGCGGCTCCACCCGGTCCGGTGGAGCGGCGGCGGCGGCTTACAGTGTCTCTC 236
Qy 648 CAACAGCCTTGGGCTGTAAACGATTAATCTTGCTATGTGTTTCTGCTGCTGCTGCTAG 707
Db 237 CCAGAGCCCTGGGCGCTGACGACGAGCTCTGTAAGGCTGGGCGGCGGCTGCAAGCTGC 296
Qy 708 TGTGTGTGTAAATCTGCTGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 767
Db 297 CCGGAGCTCCGAGTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 356
Qy 768 TGTGTGTGTAAAGATGTGTATCCAGTACCTAACTGTGTGTGTGTGTGTGTGTGTGTGTGT 827
Db 357 GGTGCGGCGGCAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 411
Qy 828 TACTGTGTCTCACTTGTGCAATGTCCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 887
Db 412 ----GACACCACTTTGACCTGGCCATCCCGGTGGCGGTGTGTGTGTGTGTGTGTGTGTGTGT 467
Qy 888 CTCCAGCAATGGGCTGTCTCCAAATGACGTTGGGCTGTGAGATACGGTGTATTTCTTC 947
Db 468 CACCGACCAATGACGGCTGTCTCCCGAAGCGCTGGGCGACCGCTACCGCGGCTATTCATTC 527
Qy 948 TGCATCTGACTGTCTGTCTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1007
Db 528 CAAAGAAAGTGTCAATCTCTCTCCGAGGCGCTTCAAGCCGCTGTGCAATGCGCTTCTGA 587
Qy 1008 CTGTGTCAAGAACGCTGTAAACCAAGCATGATTTACAAAGTAACTTCTCTCCAAAGA 1067
Db 588 CTGTGTCAAAACCGCCACCAACCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 647
Qy 1068 AATCAGCGCCAAAGACAGTTGTTCAGAAA 1097
Db 648 GCTCACGTCGAAGAGCGGCTGTCTCCGTTAA 677

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RESULT 9
US-08-651-136A-1
; Sequence 1, Application US/08651136A
; GENERAL INFORMATION:
; APPLICANT: Schuelein, Martin
; APPLICANT: Andersen, Lene N.
; APPLICANT: Lassen, Soren F.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Lange, Lene
; APPLICANT: Nielsen, Ruby I.
; APPLICANT: Ihara, Michiko
; APPLICANT: Takagi, Shinobu
; TITLE OF INVENTION: Novel Endoglucanases
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Novo Nordisk of North America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136A
; FILING DATE: 21-MAY-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366,200-US

```

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 960 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 113..787
US-08-651-136A-1

```

```

Query Match 16.1%; Score 177.8; DB 10; Length 960;
Best Local Similarity 58.6%; Pred. No. 2.6e-42;
Matches 371; Conservative 0; Mismatches 247; Indels 15; Gaps 3;

```

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Qy 471 CTGTGTAAAGTGTCTCACTACTGCTATTTGGAGATTGCTGTAAAGGCTCTGTACTGAGCC 530
Db 172 CTGGGGCATCGGCCAGACGACCCGTACTGGACTGTGTGCAAGCCGAGCTGCGCTGGCC 231
Qy 531 CGTTAAGCCCAATGTCAATGCTCTCTGTCAAGTCTGTAAACAAGATGTGTCACTGCTC 590
Db 232 CCGCAAGGCCCC--CTGCTCTCCGCTGACAGGCTGTGACAAAGAACCAACCCGCTCAA 288
Qy 591 TAGTGACAGCAATGTCCTCAAGTGTGCTGTAAACGTTGATGAAGT---TACATGTGTAAAG 647
Db 289 CGAGGCGGCTTCCACCCGCTGTGCTGTGAGCGGCGGCGGCGGCTTACAGTGTCTCTC 348
Qy 648 CAACAGCCTTGGGCTGTAAACGATTAATCTTGCTATGTGTGTGTGTGTGTGTGTGTGTGTGT 707
Db 349 CCAAGCCCTTGGGCTGTGACGACGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 408
Qy 708 TGTGTGTGTAAATCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 767
Db 409 CCGGAGCTCCGAGTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 468
Qy 768 TGTGTGTGTAAAGATGTGTATCCAGTACCTAAACGTTGATTTTCAATGTGTG 827
Db 469 GGTGCGGCGCAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 523
Qy 828 TACTGTGTCTCACTTGTGCAATGTCCGAGGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 887
Db 524 ----GACACCACTTTGACCTGGCCATCCCGGTGGCGGTGTGTGTGTGTGTGTGTGTGTGTGT 579
Qy 888 CTCCAGCAATGGGCTGTCTCCAAATGACGTTGGGCTGTGAGATACGGTGTATTTCTTC 947
Db 580 CACCGACCAATGACGGCTGTCTCCCGAAGCGCTGGGCGAACCGCTACCGGCTATTCATTC 639
Qy 948 TGCATCTGACTGTCTGTACTCTTCTTCCGACCTCAAGCTGTGTGTGTGTGTGTGTGTGTGT 1007
Db 640 CAAAGAAAGTGTCAATCTCTCCGAGGCGCTTCAAGCCGCTGTGCAACTGCGCTTCTGA 699
Qy 1008 CTGTGTCAAGAACGCTGTAAACCAAGCATGATTTACAAAGTAACTTCTCTCCAAAGA 1067
Db 700 CTGTGTCAAAACCGCCACCAACCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 759
Qy 1068 AATCAGCGCCAAAGACAGTTGTTCAGAAAATA 1100
Db 760 GCTCACGTCGAAGAGCGGCTGTCTCCGTTAAGA 792

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RESULT 10
US-10-007-521-1
; Sequence 1, Application US/10007521
; GENERAL INFORMATION:
; APPLICANT: Schuelein, Martin
; APPLICANT: Andersen, Lene N.
; APPLICANT: Lassen, Soren F.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Lange, Lene

```

Wed Jun 18 17:55:43 2003

us-09-807-933b-4.rnp

Page 8

Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: Novel Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: Novo Nordisk of North America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 960 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 113..787
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-007-521-1
Query Match 16.1%; Score 177.8; DB 38; Length 960;
Best Local Similarity 58.6%; Pred. No. 2,6e-42;
Matches 371; Conservative 0; Mismatches 247; Indels 15; Gaps 3;
Db 471 CTGTGTAACGGGTGCTCACTACTGCTGTAATGGAGTTGCTGTAAGGCTCTCTAGTGGCC 530
Db 172 CTGGGGATGGCCACACGACCGGGATGCTGCAAGCCGAGCTCGCTGAGCC 231
Qy 531 CGGTAAAGCCAAATGTAATGTTCTCTCTCAAGTCCTGTAACAAGATGGTCACTGACCT 590
Db 232 CGGCAAGGGGCC--CTCGTCTCCGGTGGAGGCTGGCAAGAACGACACACCGCTCAA 288
Qy 591 TAGTGAAGCAATGTCCAAAGTGGCTGTAAAGCTGTAAACGT--TACATGTGAAGA 647
Db 289 CGACGGGGCTCCACCGGCTCGGCTGCGACGGGGCGGAGGCTTACATGTGGCTCTC 348
Qy 648 CAACCAAGCTTGGGCTGTAAACGTAATCTTGGCTATGTTGGCTGCTGCATCAG 707
Db 349 CCAAGAGCCCTGGGCGGCTGACGACGAGCTGTGTAGGGGTGGGCGGCTGCAAGTCC 408
Qy 708 TGTGTGTGTAAATCTGCTGGTGTGCTGTCTTGTGTAATCTTCACTTCACTTC 767
Db 409 CGGAGGCTCCAGTGTGCGATGTGTCTGCTGCTAAGACTGACCTTCAACGCGGCGC 468
Qy 768 TGTGCTGTAAAGATGTTATCAAGTCACTTAACACTGTGTGTATTTGGCTCC 827
Db 469 GGTCCGGGCAAGATGATGTGACGACCAACACCGGTGGCACTTGGGC----- 523
Qy 828 TACTGTGCTCACTTGAATTGCAAAATCCCGGTGTGTGTGTATTTTCAATGGTTG 887

Db 524 ----GACACCACTTGACCTGGCCATCCCGGTGGCGGTGTGGTATTTCAAGCCCTG 579
Qy 888 CTCCAGCAATGGGGTGTCTCCCAATGACGTTGGGGCTCGAATGCGGTGATTTCTTC 947
Db 500 CACCAACAGTACGGGCTCTCCCGGAAACGGCTGGGGCGAACCGCTACAGGGGATCCATT 639
Qy 948 TGCATGTACCTGCTCTAGTCTCTCTTCCGACCTCAAGCTGTGTGAATGAGATTCA 1007
Db 640 CAAGAAAGTGGCAATCTCTCCCGAGGCTCTCAAGCCCGGTGCACTGGCGCTTCA 699
Qy 1008 CTGTTCAAGAACCTGATTAACCAACATGACTTACAGAGTACCTGCTCCCAAGTA 1067
Db 700 CTGTTCCAAAACGGCCGACACCCGCTGCTACCTTCCAGAGGTGACCTGCCCGTGA 759
Qy 1068 AATCACCCGCAAGAGGTGTTCAGAAATA 1100
Db 760 GCTCAGTCCAAAGAGCGGCTGCTCCGTTAAGA 792

RESULT 11
US-08-651-136A-21
Sequence 21, Application US/08651136A
GENERAL INFORMATION:
APPLICANT: Schielein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Laessen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: Novel Endoglucanases
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: Novo Nordisk of North America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136A
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 1132 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 42..971
US-08-651-136A-21
Query Match 16.1%; Score 177.8; DB 10; Length 1132;
Best Local Similarity 57.8%; Pred. No. 2,8e-42;
Matches 383; Conservative 0; Mismatches 262; Indels 18; Gaps 3;

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QY 426 CTCTTAACTCTAGCGCAATACTCCATGTCCTGCTGAGCTCTGTAACGCTGT 485
Db 50 CTCTGAGTCTCTATCGGCTCGTGGCGCGGTGGCGCCCAATCTCTTGCAACGGCG 109
QY 486 CACTACTGCTATTGGGATTGCTGTAGGCTCTGTAGCTG3CCCGGTAAAGCCATGT 545
Db 110 CACACACAGATACGAGCTGCTGCAAGCCGCTCGCGGTG3AAGAAAGGCTCTCGT 169
QY 546 CAGTTCTCTGCTAGCTGTAAACAAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 605
Db 170 CAGCAGACCCGCTGAGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 229
QY 606 CCAAGTGTCTGTACAGCTGTGTAAAGTATGCTGTGCTGCTGCTGCTGCTGCTGCT 665
Db 230 CGGTGGATTTCAACGGCGCTGCGC---TACAGCTGCAAGATTAACGAGCGGTGGCTGT 286
QY 666 AAAGATATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 725
Db 287 CAAAGATTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 346
QY 726 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 785
Db 347 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 406
QY 786 GGTATTCAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 845
Db 407 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 457
QY 846 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 905
Db 458 CATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 517
QY 906 TCCCAATGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 965
Db 518 CAGCTTCCCGGAAACGCG---TACGGGGGCAACAGCGCGAGCTGCTGCTGCTGCTG 571
QY 966 TCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1025
Db 572 AATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 631
QY 1026 TAAACCAAGATGATTAACAAAGAAATTAATCTGCTGCTGCTGCTGCTGCTGCTGCT 1085
Db 632 CAACCCCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 691
QY 1086 TTG 1088
Db 692 CTG 694

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RESULT 12

US-10-007-521-21

Sequence 21, Application US/10007521

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Soren P.

Kaupinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: Novel Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSEE: Novo Nordisk of North America, Inc.

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 1132 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 42..971
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-007-521-21

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Query Match 16.1%; Score 177.8; DB 38; Length 1132;
Best Local Similarity 57.8%; Pred. No. 2,86-42;
Matches 383; Conservative 0; Mismatches 262; Indels 18; Gaps 3;

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QY 426 CTCTTAACTCTAGCGCAATACTCCATGTCCTGCTGAGCTCTGTAACGCTGT 485
Db 50 CTCTGAGTCTCTATCGGCTCGTGGCGCGGTGGCGCCCAATCTCTTGCAACGGCG 109
QY 486 CACTACTGCTATTGGGATTGCTGTAGGCTCTGTAGCTG3CCCGGTAAAGCCATGT 545
Db 110 CACACACAGATACGAGCTGCTGCAAGCCGCTCGCGGTG3AAGAAAGGCTCTCGT 169
QY 546 CAGTTCTCTGCTAGCTGTAAACAAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 605
Db 170 CAGCAGACCCGCTGAGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 229
QY 606 CCAAGTGTCTGTACAGCTGTGTAAAGTATGCTGTGCTGCTGCTGCTGCTGCTGCT 665
Db 230 CGGTGGATTTCAACGGCGCTGCGC---TACAGCTGCAAGATTAACGAGCGGTGGCTGT 286
QY 666 AAAGATATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 725
Db 287 CAAAGATTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 346
QY 726 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 785
Db 347 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 406
QY 786 GGTATTCAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 845
Db 407 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 457
QY 846 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 905
Db 458 CATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 517
QY 906 TCCCAATGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 965
Db 518 CAGCTTCCCGGAAACGCG---TACGGGGGCAACAGCGCGAGCTGCTGCTGCTGCTG 571
QY 966 TCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1025
Db 572 AATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 631

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TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 894 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..891
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 US-10-007-521-3

Query Match 16.1%; Score 176.8; DB 38; Length 894;
 Best Local Similarity 58.8%; Pred. No. 5.1e-42;
 Matches 367; Conservative 0; Mismatches 242; Indels 15; Gaps 3;
 471 CTCTGTAAAGGTTGCTCACTCTGTTATTTGGATTGCTGTAAGCTCTGTAAGCTGACC 530
 60 CTGGGATCGGCGACAGACCCGGTACTGGGACTGCTGCAAGCGAGCTGCGCTGACC 119
 531 CGTAAAGCCCAATGTCACTTCTCTGCAAGTCTGTAACAAAGATGTCTACTGCTT 590
 120 CGGCAAGGCGCC--CTGCTCTCGGCTGCAAGGCTGCGCAAGAAACGACACCGCTCAA 176
 591 TAGTGAAGCAATGTCCAAAGTGTGTAAGGCTGTAAGCTGTAAGCTGTAAGCTGTA 647
 177 CGAGCGGCGCTCCACCGGCTGCGGCTGAGCGGCGGCGGCTGCAAGTCTGCTCTC 236
 648 CAACAGCCTTTGGCTGTAAGCAATCTTCTGATGTTCTGCTGCTGCTGCTGCTGCT 707
 237 CCAAGGCGCTGCGGCTGCAAGCAAGCTGCTGTAAGCTGCTGCTGCTGCTGCTGCTG 296
 708 TGT 767
 297 CGGCAAGCTCCAGTGTGCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 356
 768 TGT 827
 357 GGTGCGGCGCAAGATGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 411
 828 TACTGT 887
 412 ----GACAACCACTTTGACTGTGCAATGCTGCGGCTGCGGCTGCGGCTGCGGCTG 467
 888 CTCAAGCAATGAGGCTGTGCTCAATGACGATGTGTGTGTGTGTGTGTGTGTGTGTGT 947
 468 CACGACCAAGTACGCGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTG 527
 948 TGCATCTGACTGT 1007
 528 CAAGGAAGAGT 587
 1008 CTGTTTCAAGAACGCTGTAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1067
 588 CTGTTTCAAGAACGCTGTAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 647
 1068 AATCAGCGCCCAAGCAAGCTGTTC 1091
 648 GCTCAGCTCCAAAGCGGCTGCTC 671

RESULT 15
 US-08-651-136A-7
 ; Sequence 7, Application US/08651136A
 ; GENERAL INFORMATION:
 ; APPLICANT: Schielein, Martin
 ; APPLICANT: Andersen, Lene N.
 ; APPLICANT: Lassen, Soren F.
 ; APPLICANT: Kauppinen, Markus S.
 ; APPLICANT: Lange, Lene
 ; APPLICANT: Nielsen, Ruby I.

APPLICANT: Ihara, Michiko
 APPLICANT: Takagi, Shinobu
 TITLE OF INVENTION: Novel Endoglucanases
 NUMBER OF SEQUENCES: 101
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Novo Nordisk of North America, Inc.
 STREET: 405 Lexington Avenue, 64th floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136A
 FILING DATE: 21-MAY-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366, 200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1154 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 51..935
 US-08-651-136A-7

Query Match 15.1%; Score 166; DB 10; Length 1154;
 Best Local Similarity 56.9%; Pred. No. 1.1e-38;
 Matches 373; Conservative 0; Mismatches 265; Indels 18; Gaps 3;
 433 AACTTATGCGGCAATATCTCATTTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 492
 66 ATCTTATGCGGCTTGT 125
 493 CGTTATTGGATTTGCTGTAAGGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 552
 126 AGTACTGTGACTCTGCAAGCCCTCATGCGGCTGGAATGAGGCGGCTGTACGCGG 185
 553 CTGTCAAGTCTGTGTAAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 612
 186 CCGGTCAACATCGACAGAAACA---CAGCCCTTTTGGCCGCGCTGTGTGTGTGTGTGT 242
 613 GCGTGTAAAGGT 672
 243 TGCACCCCAAGCGGCTGT 302
 673 AATCTGT 732
 303 AATGTGCTTACGATTTTGGGCTTACGCGCTTCCCTGTGTGTGTGTGTGTGTGTGTGT 362
 733 TGTCTTGT 792
 363 TGTCTTGT 422
 793 CAATCTGTAACTGT 852
 423 CAATCTGTAACTGT 473
 853 ATGCCGCTGT 912

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Db 474 ATGCCGGTGGAGGTCTTGGCATCTTGACGCTGCACCCCGAGTTGGGCTTCAGCTTC 533
QY 913 GACGGTTGGGGCTCGAGATACGATGTATTTCTTCTGCACTGACTGCTTCTTCC 972
Db 534 CCC-----GGCAACGGCTACGGGGTACACAGCCGCAAGCCAGTGGCGCGAGCTGCC 587
QY 973 TCCGCACTCCAGCTGTGTATTAATGAGATTCACTGTTCAAGAACGCTGATTAACCA 1032
Db 588 TCCGTCTCCGTGACGGCTGCACTGGCGTTACGACTGTTCACAGATGCCGACCAACCC 647
QY 1033 AGCATGACTTACAGAGAGTTACTGTCCCAAGAAATCACCCCAAGACAGTTG 1088
Db 648 AACGTCACTGGCGCGCGTCCGATGCCGCGGCGCTCACGAACCGCTCCGCGCTG 703

Search completed: June 17, 2003, 22:43:39
Job time : 2346.59 secs